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## NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

06/08/2009

Law Offices of Albert Wai-Kit Chan World Plaza, Suite 604 141-07 20th Avenue Whitestone, NY 11357 EXAMINER

KRISHNAN, GANAPATHY

ART UNIT

PAPER NUMBER

1623

DATE MAILED: 06/08/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/593,217	09/15/2006	Ivan King	891-A-PCT-US	7034

TITLE OF INVENTION: COMBINATION THERAPY COMPRISING CLORETAZINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisiona	1 YES	\$755	\$300	\$0	\$1055	09/08/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further	correspondence includir ed below or directed oth	ng the Patent, advance o	rders and notification of n	naintenance fees wil	ll be r	nailed to the current	nould be completed where correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
Law Offices of Albert Wai-Kit Chan World Plaza, Suite 604 141-07 20th Avenue				Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
Whitestone, NY	11357						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	ATTOF	RNEY DOCKET NO.	CONFIRMATION NO.
10/593,217 TITLE OF INVENTION	09/15/2006 I: COMBINATION THE	RAPY COMPRISING C	Ivan King LORETAZINE		89	1-A-PCT-US	7034
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755 	\$300	\$0 \$1055		\$1055	09/08/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
KRISHNAN, O		1623	514-043000				
<ol> <li>Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</li> <li>Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</li> <li>"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</li> <li>ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON</li> </ol>			or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attorney on a 2 registered patent attorney or agents of a 2 registered patent attorney or a 3 registered patent at	nes of up to 3 registered patent attorneys  R, alternatively, ne of a single firm (having as a member a attorney or agent) and the names of up to a patent attorneys or agents. If no name is ame will be printed.			
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	data will appear on the part a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assignee assignment. and STATE OR CC	OUNT	RY)	ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent):	Individual	poratio	on or other private gro	oup entity Government
4a. The following fee(s) are submitted:  ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  A check is enclosed.  Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
	ns SMALL ENTITY state	is. See 37 CFR 1.27.	☐ b. Applicant is no long				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	ed from anyone other than the Office.	ne applicant; a regist	ered a	ttorney or agent; or th	ne assignee or other party in
Authorized Signature				Date			
Typed or printed name				=			
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bu /irginia 22313-1450. DC 813-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the O NOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est depending upon the indiv ee Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 mi idual case. Any com r, U.S. Patent and T. D THIS ADDRESS.	e publi inutes iments radem SEND	c which is to file (and to complete, including on the amount of tir ark Office, U.S. Depa O TO: Commissioner	I by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/593,217	09/15/2006 Ivan King		891-A-PCT-US	7034	
75	90 06/08/2009		EXAM	INER	
Law Offices of Albert Wai-Kit Chan			KRISHNAN, GANAPATHY		
World Plaza, Suite			ART UNIT	PAPER NUMBER	
141-07 20th Avenue Whitestone, NY 11			1623 DATE MAILED: 06/08/200	9	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 181 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 181 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
Notice of Allowability	10/593,217 <b>Examiner</b>	KING ET AL. Art Unit	
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	Ganapathy Krishnan	1623	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOS or other appropriate c IGHTS. This application	SED in this application. If not inclu ommunication will be mailed in du	ded e course. <b>THIS</b>
1. This communication is responsive to <u>3/3/2009</u> .			
2. The allowed claim(s) is/are 34-48.			
3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority do	e been received. e been received in App	lication No	cation from the
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which give	IENT of this application itted. Note the attache	n. d EXAMINER'S AMENDMENT or	·
5. CORRECTED DRAWINGS (as "replacement sheets") must	· , · -		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing F	Review ( PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
<ul><li>(b) ☐ including changes required by the attached Examiner'</li><li>Paper No./Mail Date</li></ul>	s Amendment / Comm	ent or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			he back) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Intervi Pape 7. ☐ Exam 8. ☑ Exam	e of Informal Patent Application few Summary (PTO-413), or No./Mail Date iner's Amendment/Comment iner's Statement of Reasons for A	llowance
	9. 🗌 Other		
/Ganapathy Krishnan/ Examiner, Art Unit 1623		nna Jiang/ ry Patent Examiner, Art Unit 16	23

The following is an examiner's statement of reasons for allowance:

1. The rejection of Claims 34-38 under 35 U.S.C. 112, first paragraph, for lack of

Page 2

enablement regarding synergism between VNP40101M with cytarabine and fludarabine in

dosages other than those recited in Table 2 (page 13) and Table 3 (page 14) of the specification,

has been overcome in view of the amendments to instant claim 34 (see Amendment of

03/03/2009). Claim 34 has been amended in accordance with the instant specification.

2. The prior art of record, Lee et al teaches the use of 1, 2-bis (methylsulfonyl)-1-(2-

chloroethyl)-2-(methylaminocarbonyl) hydrazine (also abbreviated as VNP40101M) as an

antitumor agent for solid tumors and leukemia. Gourdeau et al teach the use of cytosine analogs

and cytarabine for the treatment of leukemia and chronic myelogenous leukemias. Neither of

them teach, suggest nor render obvious the synergistic combination of VNP40101M and

cytarabine or fludarabine and the method of treatment of tumors using the combination of the

two active agents as instantly claimed.

3. The prior art of record, Lin et al (US 6,855,695) teaches the use of N-benzyl

substituted derivatives of VNP40101M (see col. 27) for the treatment of tumors and cancers.

Even though Lin states that his compounds may be administered in combination with other

antitumor agents, one of which is cytarabine (AraC) and they may act synergistically, his

teaching still does not suggest or render obvious the instant synergistic compositions and its use

in the said method of treatment, especially given the fairly large genus of other agents that could

be used in combination with VNP40101M and also the statement by Lin that synergism is

unexpected.

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Art Unit: 1623

4. The rejection of Claims 34-48 on the ground of nonstatutory obviousness-type double

patenting as being unpatentable over claims 70-73 of U.S. Patent No. 6,855,695 ('695) has also

been overcome for reasons stated above.

Any comments considered necessary by the applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance".

Any inquiry concerning this communication should be directed to Shaojia A. Jiang,

Supervisory Patent Examiner in Art Unit 1623 at 571-272-0627.

/Shaojia Anna Jiang/

Supervisory Patent Examiner, Art Unit 1623